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Statistical Overview of the Canadian Vegetable Industry

2019

Prepared by:
Crops and Horticulture Division
Agriculture and Agri-Food Canada
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Overview

This report provides a statistical overview of the vegetable industry including the number of farms, total farm area, production, farm gate¹ value (FGV), trade, and innovation in the sector. It focuses on field vegetables, greenhouse vegetables and mushrooms. A separate report for potatoes is prepared annually.

It is anticipated that 2020 marketed production of field vegetables, greenhouse vegetables and mushrooms will be impacted due to the COVID-19 pandemic. Due to late-arriving or reduced levels of seasonal agricultural workers, some vegetable producers have noted a reduction in their 2020 field vegetable planting and harvesting plans. In addition, several field and greenhouse vegetable operations have faced COVID-19 outbreaks among workers, which has further impacted production, and ongoing concerns about access to labour could have an additional impact on harvest plans. Finally, due to the year-round nature of mushroom operations, growers have adjusted production due to reduced demand from the foodservice industry. The impact of the COVID-19 pandemic on field vegetable, greenhouse vegetable and mushroom production will be addressed in the next report to be released in 2021.

Overall, Canada's field vegetable production volume was up 1.2% to 2,183,525 metric tonnes in 2019, due to higher yields. In 2019, total vegetable yields were up 1.5% from a year earlier and 6.0% above the 10-year average. Farmers reported higher yields for beets (+15.7%), beans (+7.6%), peppers (+6.7%) and asparagus (+6.4%) in 2019. Conversely, yields were down for parsnips (-7.3%) and rutabagas and turnips (-5.0%). Field tomatoes topped the production of field vegetables (22%), followed by carrots (16%), and dry onions (11%). Ontario remained the largest producing province accounting for 58% of Canada's total production of field vegetables, followed by Quebec with 30%.

Total farm-gate value of field vegetables rose 3.0% to \$1.3 billion in 2019, due to higher yields and prices. Farm-gate prices were up for celery (+13.2%), regular radishes (+12.8%), rutabagas and turnips (+10.8%) and parsnips (+10.3%). Farmers also received better prices for watermelon (+7.1%), tomatoes (+6.2%), cauliflower (+5.4%) and broccoli (+5.3%).

Together, carrots, dry onions, tomatoes, cabbage, lettuce, sweet corn, broccoli and peppers represented more than half of the total value of field vegetables grown in Canada. Carrots recorded the highest value (\$133.3 million), followed by dry onions (\$110.1 million), tomatoes (\$109.0 million), cabbage (\$88.2 million), lettuce (\$82.2 million), broccoli (\$78.1 million), sweet corn (\$73.1 million), and peppers (\$72.1 million).

Canadian mushroom growers produced 132,114 metric tons of mushrooms in 2019, up 5.2% compared with 2018, which represented the fourth consecutive year-over-year increase. Improved growing mediums and the use of nutrient-rich spawn have contributed to the production increases since 2016. The total value of mushrooms rose 6.5% to \$589 million in 2019, mainly due to production increases. Prices have remained relatively stable since 2016. Ontario and British Columbia are the leading producing provinces of mushrooms in Canada, together accounting for over 90% of total production.

Total sales of greenhouse vegetables rose 5.0% to \$1.6 billion in 2019, continuing the annual increases that began in 2013. Ontario (65.0%), British Columbia (19.2%), Quebec (9.3%) and Alberta (5.4%) were responsible for most of the greenhouse vegetable sales. Tomatoes were the largest contributor to greenhouse farm gate value, accounting for 37.1% (\$586 million) of the total; cucumbers and peppers followed at 30.6% (\$486 million) and 27.8% (\$442 million) respectively.

Total Canadian vegetable exports, comprising field vegetables, greenhouse vegetables, and mushrooms, grew by 10.3% to \$2.2 billion in 2019, due mainly to the increase of export value for mushrooms (+21.9%) and greenhouse vegetables (10.9%). Greenhouse vegetables were the largest contributor to vegetable export value, accounting for 51.3% of total vegetable exports, followed by field vegetables (33.8%) and mushrooms (14.9%). The United States remained Canada's largest purchaser, importing 97.3% of Canada's total vegetable exports.

¹ The "farm gate value" is the price at the point of production, excluding charges for transport or delivery.



Due to the seasonal nature of field vegetable production in Canada, imports are an integral component of the Canadian fresh vegetable market and are often necessary to fulfill Canadian demand year-round. In 2019, Canada imported over \$3.9 billion in vegetables (field vegetables, greenhouse vegetables and mushrooms), with approximately \$2.3 billion (59.4%) coming from the United States. Mexico was the second largest source of Canadian imports, with approximately \$1.1 billion (28.2%) in import value. The top vegetables in terms of value (including field and greenhouse) imported were lettuce (12.1%), cabbages (10.6%), tomatoes (10.3%), peppers (9.7%) and onions (6.0%). In terms of quantity, the top imported vegetables consisted of tomatoes (10.5%), onions (10.2%), lettuce (9.3%), cabbages (9.3%) and peppers (7.2%). The top U.S. imports were lettuce, cabbages, and broccoli/cauliflower whereas imports from Mexico consisted primarily of greenhouse vegetables (tomatoes, peppers, and cucumber/gherkins).

The vegetable industry is continually introducing innovative varieties and products to meet changing consumer preferences. In 2019, approximately 241 new products were launched in Canada. New product launch type involved new variety/range extension (44%), followed by new packaging (32%), new products (21%) and relaunch (3%). The top claims of new products included kosher, microwaveable, ease of use, organic, and ethical/ecological (i.e. environmental-friendly packaging).



1. Production

1.1. Number of field vegetable farms^{1,2} by province

	2006	2011	2016
Newfoundland and Labrador	68	112	78
Prince Edward Island	54	299	250
Nova Scotia	125	140	177
New Brunswick	69	280	236
Quebec	857	974	1,172
Ontario	1,526	1,531	1,856
Manitoba	97	189	196
Saskatchewan	43	108	115
Alberta	124	277	299
British Columbia	669	912	1,135
Canada	3,632	4,822	5,514

Notes:

1. Includes melons.

2. Number of farms includes all farms reported to be growing field vegetables and on which field vegetable production represents 50% or more of total farm cash receipts.

Source: Statistics Canada. Table 32-10-0403-01 Farms classified by farm type

1.2. Number of greenhouse vegetable^{1,2} farms by province

	2015	2016	2017	2018	2019
Atlantic provinces	54	52	52	51	49
Quebec	242	247	250	238	235
Ontario	315	323	330	325	315
Prairie provinces	100	107	101	102	94
British Columbia	150	160	154	150	145
Canada	861	894	889	866	838

Notes:

1. Includes specialized greenhouse fruits.

2. Excludes mixed operations (vegetables, flowers and plants) and cannabis operations.

Source: Statistics Canada. Table 32-10-0019-01 Estimates of specialized greenhouse operations, greenhouse area, and months of operation



1.3. Planted area of field vegetables by province (hectares)

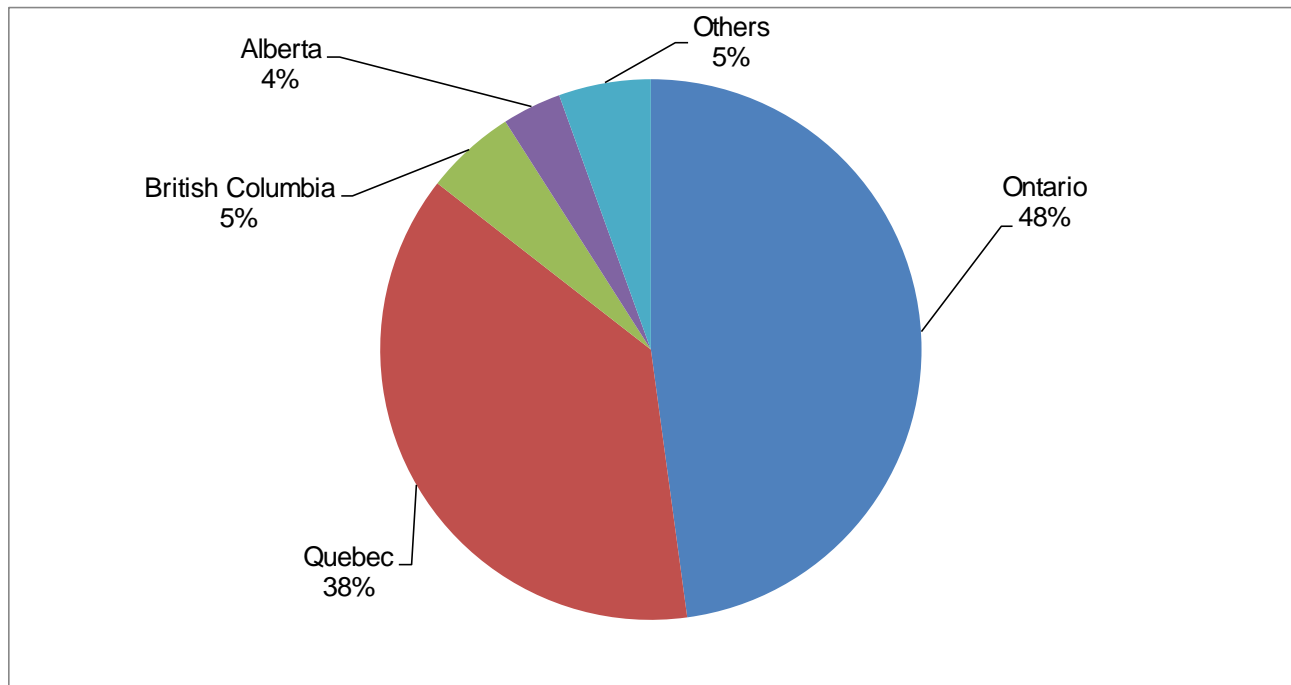
	2015	2016	2017	2018	2019
Newfoundland and Labrador	302	306	278	249	237
Prince Edward Island	719	726	812	750	808
Nova Scotia	1,722	1,797	2,152	2,157	2,032
New Brunswick	697	678	647	591	541
Quebec	37,802	37,749	37,288	37,453	38,320
Ontario	53,619	54,165	50,362	50,880	48,660
Manitoba	1,251	1,280	1,393	1,578	1,501
Saskatchewan	313	320	266	328	295
Alberta	3,468	3,949	3,228	3,723	3,591
British Columbia	6,150	5,922	5,858	5,798	5,518
Canada¹	109,833	109,518	103,939	103,912	102,022

Note:

1. Totals may not add up as some data was suppressed to meet confidentiality requirements of the Statistics Act.

Source: Statistics Canada. Table 32-10-0365-01 Area, production and farm gate value of vegetables

1.4. Planted area of field vegetables by province - percent share, 2019



Source: Statistics Canada. Table 32-10-0365-01 Area, production and farm gate value of vegetables



1.5. Planted area of field vegetables by commodity (hectares)

	2015	2016	2017	2018	2019
Corn, sweet	20,033	19,248	17,968	17,551	17,516
Peas, green	12,770	12,782	11,176	11,387	11,493
Beans, green or wax	8,445	8,313	8,179	8,477	8,497
Carrots ¹	9,032	8,940	8,662	8,344	8,442
Tomatoes	7,080	6,938	6,557	6,559	6,216
Dry onions	5,773	5,734	5,776	5,624	5,702
Cabbage ²	5,914	5,578	5,458	5,912	5,580
Broccoli	4,149	4,276	4,423	4,570	4,550
Lettuce ³	4,007	4,140	3,975	3,931	3,902
Pumpkins	3,490	3,708	3,427	3,197	3,275
Squash and zucchinis	3,473	3,680	3,300	3,218	3,042
Cucumbers and gherkins	2,719	2,814	2,532	2,433	2,465
Asparagus	2,248	2,351	2,381	2,320	2,431
Peppers	2,701	2,771	2,556	2,514	2,252
Cauliflowers	1,718	1,844	1,860	1,921	1,882
Beets	1,817	1,882	1,928	1,758	1,850
Rutabagas and turnips	1,736	1,736	1,678	1,530	1,522
Radishes ⁴	950	963	935	1,144	1,061
Sweet potatoes	..	..	..	726	811
Shallots and green onions	771	756	793	754	806
Celery	891	904	870	802	780
Watermelons	738	674	693	696	718
Spinach	764	748	716	728	701
Brussels sprouts	585	563	600	669	678
Garlic	633	697	658	641	566
Other melons	712	673	572	505	465
Leeks	289	314	321	337	348
Parsnips	379	364	391	367	341
Other fine herbs	..	..	..	295	337
Eggplants	..	..	..	223	241
Rhubarb	204	204	260	216	199
Parsley	168	149	159	153	133
Other vegetables	5,646	5,776	5,139	4,410	3,219
Total⁵	109,833	109,518	103,939	103,912	102,022

Notes:

1. Includes baby carrots and regular carrots.
 2. Includes Chinese cabbage, regular cabbage and kale.
 3. Includes leaf lettuce, head lettuce and mixed lettuce.
 4. Includes Asian radishes.
 5. The total may not add up due to data unavailability of certain commodities in certain provinces.
- .. Not available for a specific reference period.

Source: Statistics Canada. Table 32-10-0365-01 Area, production and farm gate value of vegetables



1.6. Harvested area of greenhouse vegetables by province (square meters)

	2015	2016	2017	2018	2019
Newfoundland and Labrador	5,132	647	5,900	6,539	5,257
Prince Edward Island	-	-	13,531	14,935	12,169
Nova Scotia	77,992	-	83,556	82,265	87,282
New Brunswick	5,042	121	4,086	4,617	6,983
Quebec	951,534	915,475	1,145,549	1,228,400	1,274,804
Ontario	10,061,143	10,972,697	11,670,213	12,194,927	12,395,943
Manitoba	5,245	496	6,955	8,287	11,530
Saskatchewan	14,139	2,003	15,954	17,300	13,089
Alberta	544,222	547,626	670,984	719,049	741,985
British Columbia	2,881,096	3,088,435	3,222,661	3,136,709	3,032,257
Canada¹	14,592,933	15,928,094	16,878,194	17,430,846	17,613,713

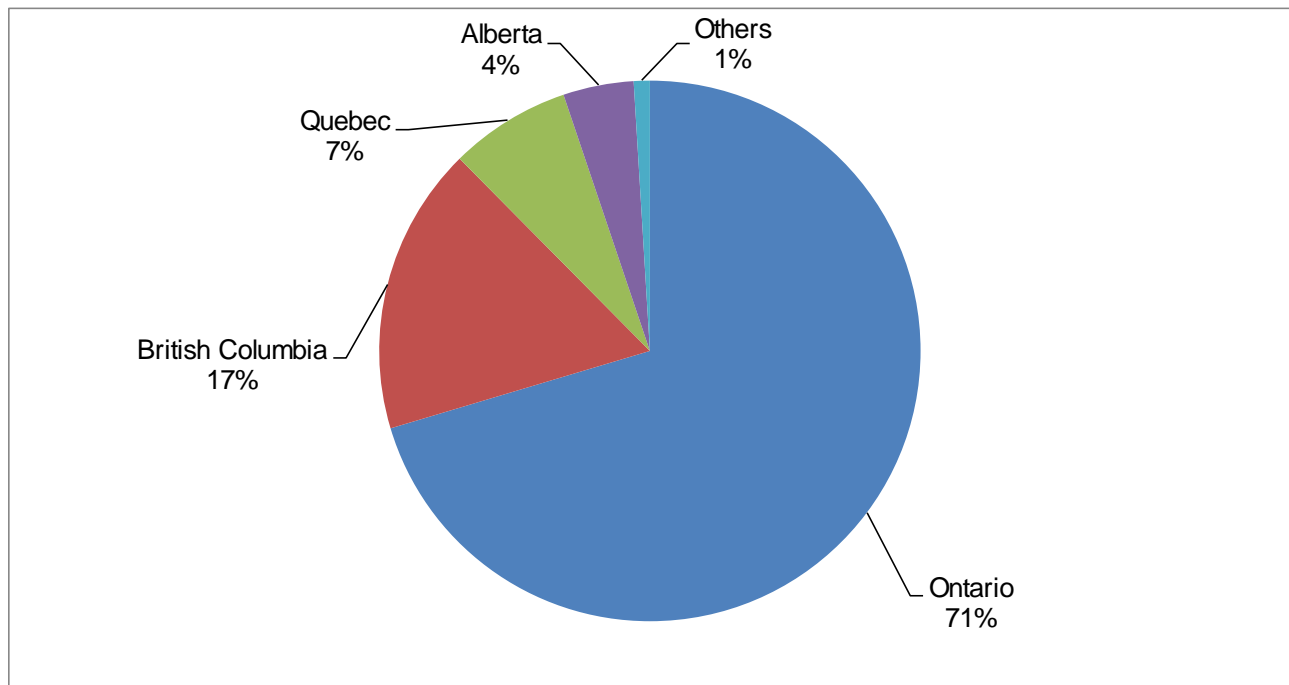
Notes:

1. Totals may not add up as some data was suppressed to meet confidentiality requirements of the Statistics Act.

- : Not available or too unreliable to be published.

Source: Statistics Canada. Table 32-10-0456-01 Production and value of greenhouse vegetables

1.7. Harvested area of greenhouse vegetables by province - percent share, 2019



Sources: Statistics Canada. Table 32-10-0456-01 Production and value of greenhouse vegetables



1.8. Harvested area of greenhouse vegetables by commodity (square meters)

	2015	2016	2017	2018	2019
Tomatoes	5,513,837	5,990,278	6,356,198	6,579,782	6,459,296
Peppers	4,940,683	5,385,939	5,625,383	5,615,729	5,574,511
Cucumbers	3,739,159	4,005,746	4,321,832	4,559,877	4,841,470
Lettuce	187,343	174,696	209,183	236,813	317,382
Eggplants	..	90,123	109,631	110,519	107,706
Fine herbs	..	26,922	90,429	69,737	103,655
Other fruits or vegetables	211,911	194,393	85,214	131,831	97,715
Microgreens and shoots	..	..	16,773	69,479	59,480
Chinese vegetables	..	55,471	48,740	43,396	37,850
Beans (green and wax)	..	4,526	6,630	6,998	8,914
Sprouts	..	..	8,181	6,685	5,734
Total¹	14,592,933	15,928,094	16,878,194	17,430,846	17,613,713

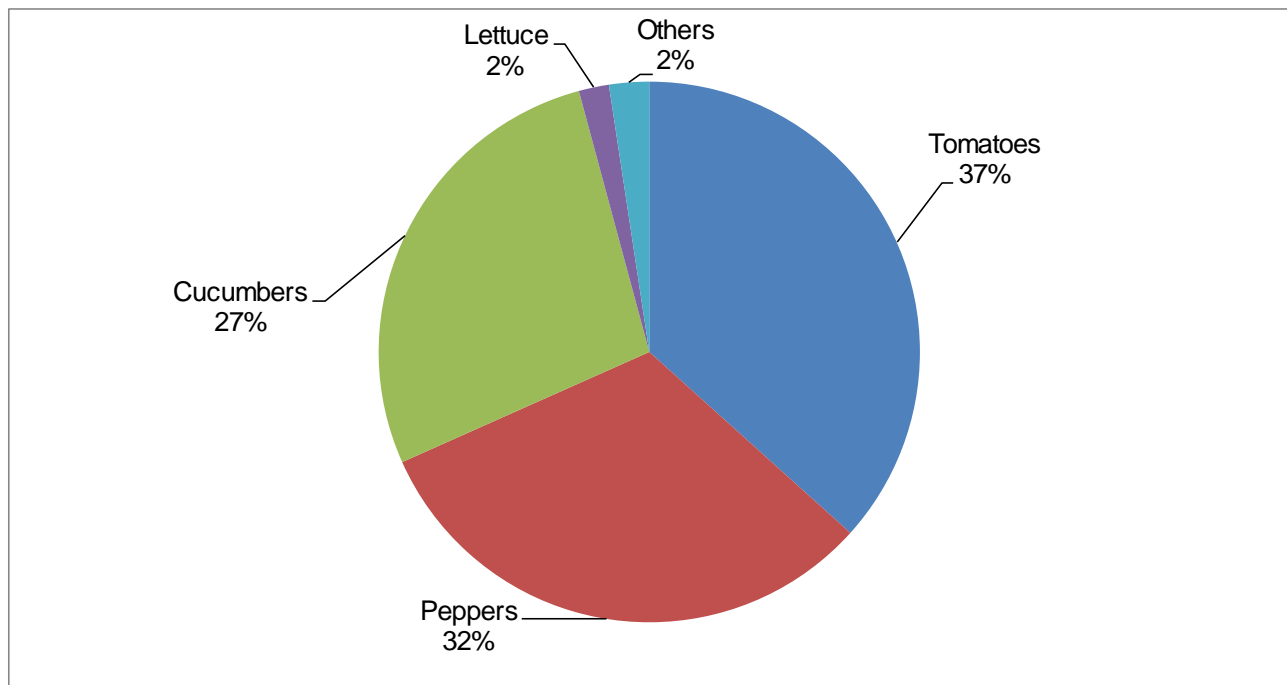
Note:

1. Totals may not add up as some data was suppressed to meet confidentiality requirements of the Statistics Act.

.. Not available for a specific reference period.

Source: Statistics Canada. Table 32-10-0456-01 Production and value of greenhouse vegetables

1.9. Harvested area of greenhouse vegetables by commodity – percent share, 2019



Source: Statistics Canada. Table 32-10-0456-01 Production and value of greenhouse vegetables



1.10. Marketed production¹ of field vegetables by province (metric tonnes)

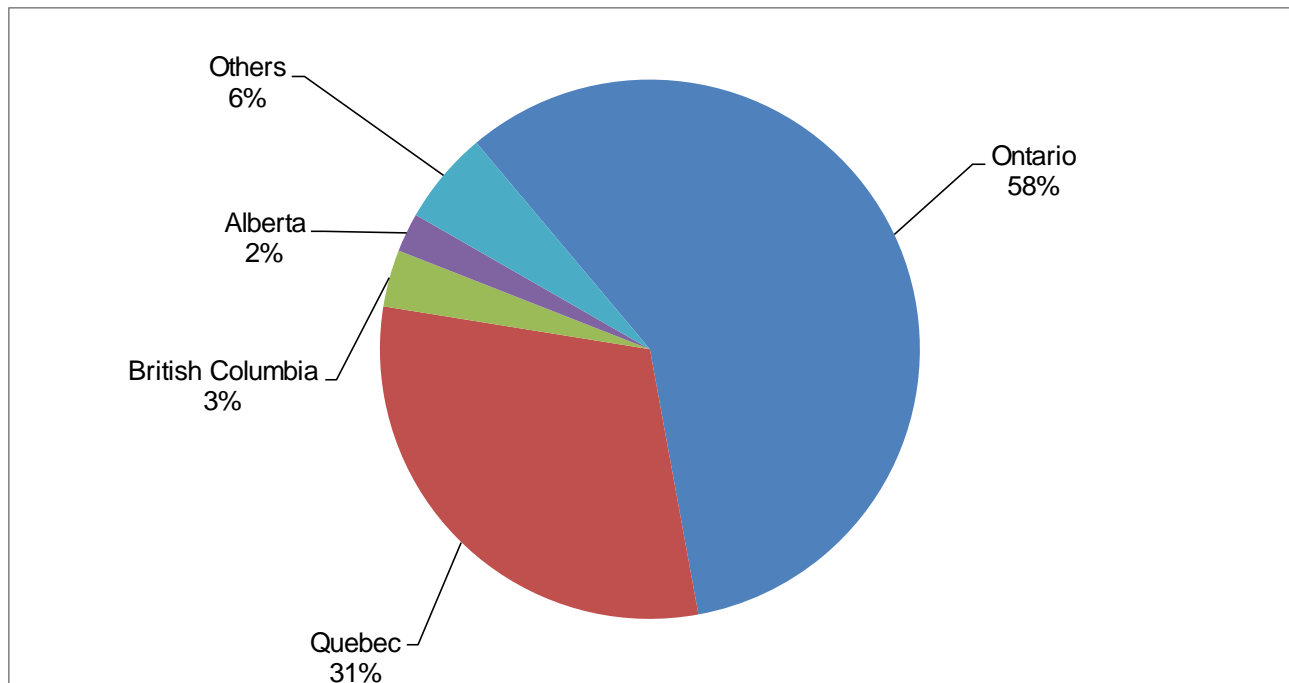
	2015	2016	2017	2018	2019
Newfoundland and Labrador	4,235	5,795	3,965	3,163	3,094
Prince Edward Island	26,836	26,639	24,818	16,737	9,016
Nova Scotia	51,602	56,190	67,189	54,860	43,974
New Brunswick	7,538	6,771	6,304	5,679	7,548
Quebec	682,869	707,011	687,122	654,102	664,287
Ontario	1,241,767	1,263,445	1,232,398	1,208,156	1,271,514
Manitoba	25,212	29,064	31,424	26,987	20,515
Saskatchewan	3,100	3,042	3,279	1,819	2,680
Alberta	53,181	53,934	57,971	57,285	51,010
British Columbia	79,081	86,364	80,143	77,603	74,623
Canada²	2,175,422	2,238,263	2,194,613	2,157,628	2,183,527

Notes:

1. Marketed Production refers to the total quantity of vegetables sold to the fresh and processing markets.
2. Totals may not add up as some data was suppressed to meet confidentiality requirements of the Statistics Act.

Source: Statistics Canada. Table 32-10-0365-01 Area, production and farm gate value of vegetables

1.11. Marketed production of field vegetables by province – percent share, 2019



Source: Statistics Canada. Table 32-10-0365-01 Area, production and farm gate value of vegetables



1.12. Marketed production¹ of field vegetables by commodity (metric tonnes)

	2015	2016	2017	2018	2019
Tomatoes	429,165	501,329	478,960	501,908	481,942
Carrots ²	376,063	358,852	377,484	356,397	351,165
Dry onions	218,715	215,669	230,314	229,369	241,944
Corn, sweet	219,050	196,993	191,447	187,819	188,007
Cabbage ³	170,035	179,778	159,441	158,673	151,765
Lettuce ⁴	84,670	91,463	86,527	85,719	84,896
Pumpkins	76,981	82,257	82,619	75,732	75,067
Peppers	65,314	68,068	68,075	64,067	63,117
Beans, green or wax	53,464	54,672	51,913	54,988	59,892
Cucumbers and gherkins	54,158	63,589	61,064	56,821	59,316
Squash and zucchinis	49,769	54,690	49,407	51,788	51,295
Peas, green	58,659	57,274	46,001	45,418	47,589
Beets	44,531	39,704	38,637	42,010	45,973
Rutabagas and turnips	48,646	47,853	46,621	45,212	43,670
Broccoli	40,875	42,106	42,432	42,335	41,401
Watermelons	27,879	24,657	26,199	F	32,864
Celery	36,058	37,968	34,967	32,414	31,988
Cauliflowers	30,597	32,685	32,416	28,996	31,056
Shallots and green onions	17,989	17,467	18,407	14,723	16,261
Radishes ⁵	16,411	15,726	16,380	14,919	15,524
Sweet potatoes				12,612	13,645
Other melons	17,729	17,723	14,323	14,258	11,564
Asparagus	8,642	9,364	8,865	8,518	9,795
Brussels sprouts	5,990	5,120	6,233	6,331	6,757
Leeks	4,919	5,245	5,413	5,979	6,365
Parsnips	7,565	6,781	8,207	6,855	5,873
Spinach	6,234	5,825	5,442	4,783	4,557
Eggplants	..	..	..	2,388	3,903
Parsley	2,410	2,373	2,936	2,507	1,898
Rhubarb	1,485	1,623	2,522	1,678	1,651
Fine herbs	..	..	..	1,084	1,580
Garlic	1,419	1,409	1,361	1,327	1,207
Total⁶	2,175,422	2,238,263	2,194,613	2,157,628	2,183,527

Notes:

1. Marketed production refers to the total quantity of vegetables sold to the fresh and processing markets.
 2. Includes baby carrots and regular carrots.
 3. Includes Chinese cabbage, regular cabbage and kale.
 4. Includes leaf lettuce, head lettuce and mixed lettuce.
 5. Includes Asian radishes.
 6. Totals may not add up as some data was suppressed to meet confidentiality requirements of the Statistics Act.
- F: Too unreliable to be published.
 .. Not available for a specific reference period.

Source: Statistics Canada. Table 32-10-0365-01 Area, production and farm gate value of vegetables



1.13. Farm gate value¹ of field vegetables by province (CAN\$ '000)

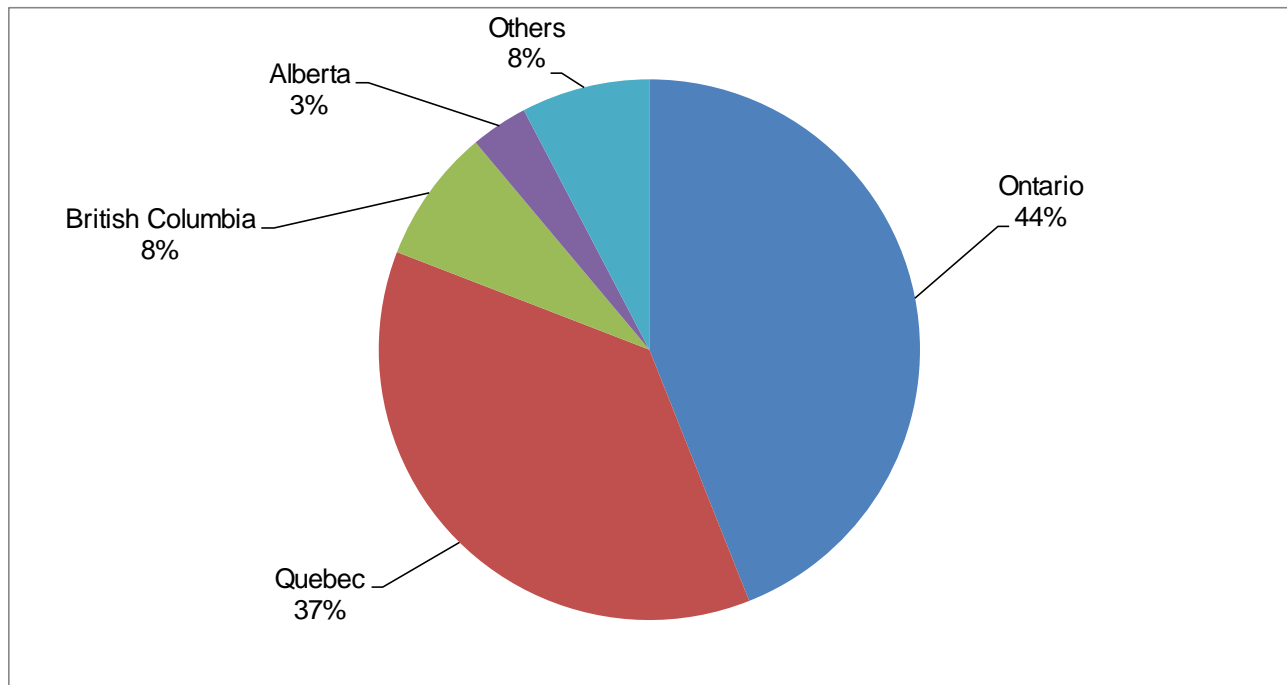
	2015	2016	2017	2018	2019
Newfoundland and Labrador	4,959	6,259	5,486	4,693	5,109
Prince Edward Island	9,772	12,775	12,887	13,475	14,455
Nova Scotia	33,647	36,540	39,192	32,748	32,763
New Brunswick	7,697	8,180	7,665	7,593	7,852
Quebec	416,998	447,473	438,579	456,603	477,776
Ontario	503,050	506,131	527,179	551,929	569,515
Manitoba	25,011	29,194	33,671	30,341	32,588
Saskatchewan	4,096	4,624	5,383	5,628	6,633
Alberta	36,724	35,983	39,840	47,927	44,300
British Columbia	91,833	102,109	101,093	105,904	103,912
Canada²	1,133,787	1,189,268	1,210,975	1,256,842	1,294,903

Notes:

1. The "farm gate" value is the pricing point of production, excluding charges for transport or delivery.
2. Totals may not add up as some data was suppressed to meet confidentiality requirements of the Statistics Act.

Source: Statistics Canada. Table 32-10-0365-01 Area, production and farm gate value of vegetables

1.14. Farm gate value of field vegetables by province – percent share, 2019



Source: Statistics Canada. Table 32-10-0365-01 Area, production and farm gate value of vegetables



1.15. Farm gate value of field vegetables by commodity (CAN\$ '000)

	2015	2016	2017	2018	2019
Carrots ¹	125,955	128,650	132,805	129,170	133,309
Dry onions	83,827	86,463	91,337	101,940	110,120
Tomatoes	93,025	111,768	109,876	106,820	108,967
Cabbage ²	83,018	80,678	72,924	91,237	88,225
Lettuce ³	76,063	84,336	78,997	81,844	82,222
Broccoli	60,980	59,369	72,010	75,850	78,124
Corn, sweet	80,453	75,997	75,879	76,193	73,135
Peppers	55,471	61,770	67,570	68,632	72,127
Asparagus	34,615	38,544	39,711	38,094	44,022
Squash and zucchinis	34,242	39,670	38,163	40,538	42,164
Beans, green or wax	35,685	36,303	35,694	35,620	38,279
Cauliflowers	29,635	30,816	29,236	32,475	36,670
Cucumbers and gherkins	32,591	40,082	35,485	F	35,574
Shallots and green onions	28,248	26,933	32,992	30,851	35,073
Pumpkins	24,886	26,653	28,747	27,944	32,101
Rutabagas and turnips	25,498	27,153	27,010	28,872	30,897
Peas, green	25,085	25,178	23,225	22,127	23,411
Celery	21,086	22,102	19,197	17,816	19,896
Beets	21,557	20,156	21,435	18,734	18,959
Radishes ⁴	13,763	13,783	14,865	16,473	18,319
Garlic	15,169	15,682	15,667	15,135	14,245
Watermelons	9,540	10,342	8,401	11,847	13,649
Brussels sprouts	8,930	9,389	12,279	12,593	13,574
Sweet potatoes				12,734	13,507
Leeks	8,231	8,955	9,674	11,066	12,316
Spinach	12,408	12,462	11,700	10,620	10,355
Other melons	10,586	10,344	8,611	9,057	8,724
Parsnips	8,632	8,447	9,509	8,875	8,386
Fine herbs	..	..	..	3,602	5,368
Parsley	4,700	5,215	6,541	6,080	4,971
Eggplants	..	..	..	2,927	4,400
Rhubarb	2,182	2,581	3,654	2,728	2,810
Other vegetables	67,726	69,447	77,783	74,574	61,006
Total⁵	1,133,787	1,189,268	1,210,975	1,256,842	1,294,903

Notes:

1. Includes baby carrots and regular carrots.
 2. Includes Chinese cabbage, regular cabbage and kale.
 3. Includes leaf lettuce, head lettuce and mixed lettuce.
 4. Includes Asian radishes.
 5. The total may not add up due to data unavailability of certain commodities in certain provinces.
- F: Too unreliable to be published.
 .. Not available for a specific reference period.

Source: Statistics Canada. Table 32-10-0365-01 Area, production and farm gate value of vegetables



1.16. Greenhouse vegetable¹ production by province (metric tonnes)

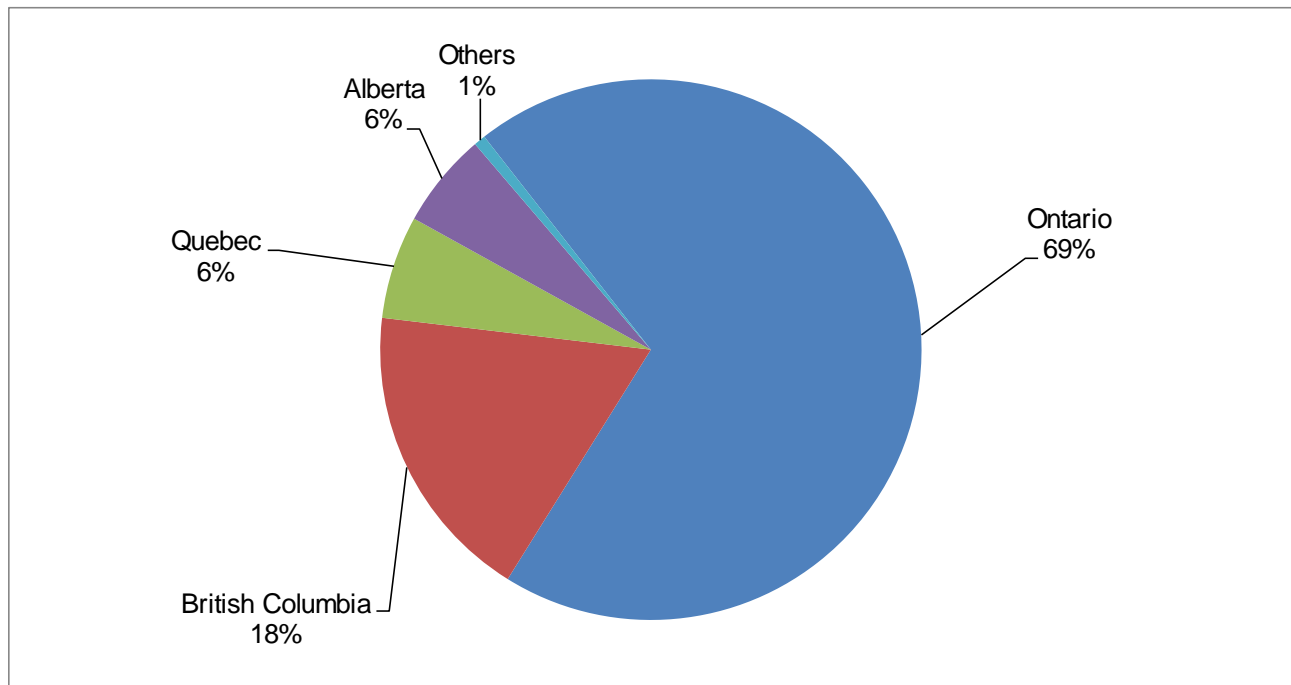
	2015	2016	2017	2018	2019
Newfoundland and Labrador	10	3	8	14	25
Prince Edward Island	-	-	2	448	407
Nova Scotia	3,090	1,248	2,914	2,872	3,088
New Brunswick	29	1	-	45	304
Quebec	6,110	27,938	38,772	41,333	40,995
Ontario	420,081	424,451	438,680	452,009	461,296
Manitoba	152	3	186	205	218
Saskatchewan	189	22	224	209	175
Alberta	22,195	23,150	33,170	37,161	37,844
British Columbia	114,652	90,881	120,864	123,000	119,682
Canada²	587,825	604,990	636,723	660,259	664,449

Notes:

1. Does not include lettuce between 2012 and 2015.
 2. Totals may not add up as some data was suppressed to meet confidentiality requirements of the Statistics Act.
- : Not available or too unreliable to be published.

Source: Statistics Canada. Table 32-10-0456-01 Production and value of greenhouse vegetables

1.17. Greenhouse vegetable production by province – percent share, 2019



Source: Statistics Canada. Table 32-10-0456-01 Production and value of greenhouse vegetables



1.18. Greenhouse vegetable production by commodity (metric tonnes)

	2015	2016	2017	2018	2019
Tomatoes	261,677	271,006	279,494	279,433	269,659
Cucumbers	186,306	189,704	206,227	228,764	240,451
Peppers	134,644	135,657	139,060	139,153	140,745
Lettuce	5,198	4,876	6,256	7,049	8,302
Eggplants	..	2,904	3,456	3,476	3,036
Fine herbs	..	219	755	572	938
Microgreens and shoots	..	..	164	919	569
Chinese vegetables	..	587	495	442	368
Sprouts	..	..	776	405	337
Beans (green and wax)	..	36	40	47	45
Total¹	587,825	604,990	636,723	660,259	664,449

Notes:

1. Totals may not add up as some data was suppressed to meet confidentiality requirements of the Statistics Act.

.. Not available for a specific reference period.

Source: Statistics Canada. Table 32-10-0456-01 Production and value of greenhouse vegetables

1.19. Farm gate value of greenhouse vegetables by province (CAN\$ '000)

	2015	2016	2017	2018	2019
Newfoundland and Labrador	145	42	141	94	133
Prince Edward Island	-	-	8	1,897	1,902
Nova Scotia	8,433	8,012	7,516	4,793	9,227
New Brunswick	244	29	115	189	1,073
Quebec	36,568	98,861	128,839	143,496	148,162
Ontario	831,591	859,787	917,857	955,527	1,032,326
Manitoba	609	82	975	1,201	1,511
Saskatchewan	1,386	715	708	1,415	952
Alberta	53,584	54,689	69,386	81,003	85,256
British Columbia	296,577	294,435	289,930	296,885	305,413
Canada¹	1,295,856	1,331,163	1,437,089	1,512,118	1,587,417

Notes:

1. Totals may not add up as some data was suppressed to meet confidentiality requirements of the Statistics Act.

- : Not available or too unreliable to be published.

Source: Statistics Canada. Table 32-10-0456-01 Production and value of greenhouse vegetables



1.20. Farm gate value of greenhouse vegetables by commodity (CAN\$ '000)

	2015	2016	2017	2018	2019
Tomatoes	514,251	537,032	555,196	569,574	588,519
Cucumbers	316,495	336,050	395,760	443,018	485,815
Peppers	420,539	409,980	421,873	428,451	441,680
Lettuce	28,769	27,366	32,036	33,941	35,396
Eggplants	..	7,757	11,531	11,727	10,561
Fine herbs	..	3,559	8,576	7,066	10,349
Other fruits or vegetables	15,802	7,839	6,047	7,459	7,190
Microgreens and shoots	..	..	3,585	8,384	5,684
Chinese vegetables	..	1,226	1,180	1,076	930
Sprouts	..	..	993	1,014	896
Beans (green and wax)	..	353	313	406	399
Total	1,295,856	1,331,163	1,437,089	1,512,118	1,587,417

Note:

.. Not available for a specific reference period.

Source: Statistics Canada. Table 32-10-0456-01 Production and value of greenhouse vegetables



1.21. Area, production and sales¹ of Canadian mushrooms

		2015	2016	2017	2018	2019
Harvested area (thousands of square feet)	Maritime provinces and Quebec	x	x	x	x	x
	Ontario	27,613	28,907	29,199	31,965	34,033
	Prairie provinces	x	x	x	x	x
	British Columbia	18,500	16,989	16,989	17,292	22,357
	Canada²	50,322	50,655	50,764	53,558	60,695
Production (metric tonnes)	Maritime provinces and Quebec	x	x	x	x	x
	Ontario	58,360	61,083	63,103	69,196	66,687
	Prairie provinces	x	x	x	x	x
	British Columbia	46,833	46,894	47,325	47,352	56,424
	Canada²	114,683	118,711	120,253	125,565	132,114
Sales (CAN\$ '000)	Maritime provinces and Quebec	x	x	x	x	x
	Ontario	257,466	287,959	311,346	338,350	339,329
	Prairie provinces	x	x	x	x	x
	British Columbia	142,071	171,358	173,785	173,790	207,592
	Canada²	443,604	506,650	527,570	553,320	589,468

Notes:

1. Regional distribution shown as presented by Statistics Canada.

2. Totals may not add up as some data was suppressed to meet confidentiality requirements of the Statistics Act.

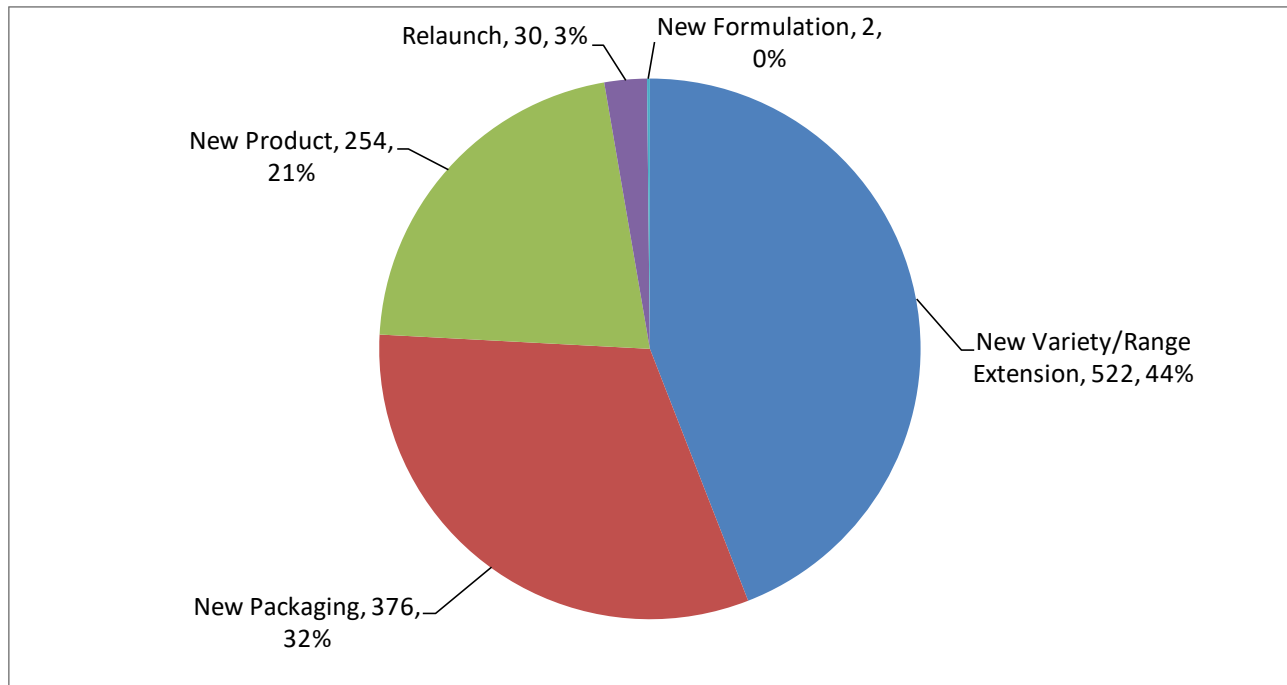
x : Suppressed to meet the confidentiality requirements of the Statistics Act.

Source: Statistics Canada. Table 32-10-0356-01 Area, production and sales of mushrooms



2. Innovation

2.1. Number of products launched in Canada under the sub-category “Vegetable” by launch type, 2015 – 2019



Source: Mintel

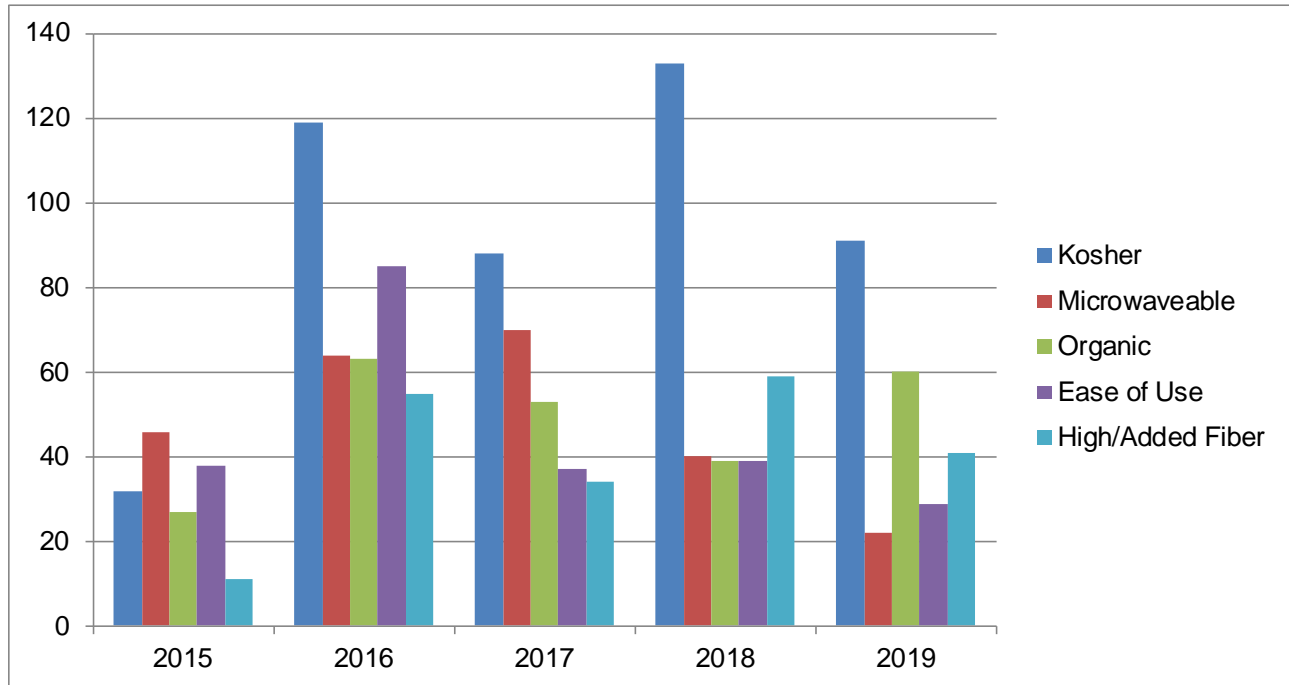
2.2. Top 10 claims of new products launched in Canada under the sub-category “Vegetable”, 2015 – 2019

Claim	2015	2016	2017	2018	2019	Total
Kosher	32	119	88	133	91	463
Microwaveable	46	64	70	40	22	242
Organic	27	63	53	39	60	242
Ease of Use	38	85	37	39	29	228
High/Added Fiber	11	55	34	59	41	200
Ethical - Environmentally Friendly Package	21	59	28	36	50	194
Ethical - Recycling	16	57	26	36	44	179
Not Specified	18	24	40	50	42	174
Premium	21	32	42	17	13	125
Convenient Packaging	29	36	22	13	19	119

Source: Mintel



2.3. Top 5 claims of new products launched in Canada under the sub-category “Vegetable”, 2015 – 2019



Source: Mintel



3. Trade

3.1. Canadian vegetable¹ trade balance (CAN\$ '000)

	2015	2016	2017	2018	2019
Exports	1,603,544	1,714,079	1,813,236	1,955,768	2,157,580
Imports	3,322,767	3,550,772	3,552,054	3,611,483	3,927,159
Net trade (exports less imports)	-1,719,223	-1,836,693	-1,738,819	-1,655,715	-1,769,578

Note:

1. Includes field vegetables, greenhouse vegetables and mushrooms.

2. Includes frozen.

3. Excludes potatoes.

Source: Statistics Canada (CATSNET, June 2020)

3.2. Exports

3.2.1. Canada's fresh vegetable exports by sub-sector (CAN\$ '000)

	2015	2016	2017	2018	2019
Greenhouse vegetables	827,500	862,769	964,121	1,001,911	1,107,806
Field vegetables ^{1, 2}	595,696	637,549	639,112	691,031	729,335
Mushrooms	180,349	213,762	210,003	262,825	320,440
Total	1,603,544	1,714,079	1,813,236	1,955,768	2,157,580

Notes:

1. Includes frozen.

2. Includes provisionally preserved.

Source: Statistics Canada. (CATSNET, June 2020)



3.2.2. Canada's fresh vegetable exports by commodity (CAN\$ '000)

	2015	2016	2017	2018	2019
Peppers ¹	361,681	360,058	365,667	391,320	459,379
Tomatoes ¹	326,231	372,351	416,576	392,023	414,806
Cucumbers and gherkins ¹	204,399	239,434	268,736	305,824	334,142
Mushrooms	180,349	213,762	210,003	262,825	320,440
Carrots and turnips	62,045	53,715	66,118	72,799	72,242
Cabbages, kohlrabi and kale	54,259	57,332	49,100	79,306	68,058
Onions and shallots	54,208	54,503	54,033	58,831	55,529
Beans ²	60,207	60,504	66,621	58,373	57,205
Cabbage lettuce (head lettuce)	32,071	26,662	29,338	32,983	37,455
Lettuce	27,578	28,137	26,879	27,303	33,424
Cauliflowers and headed broccoli	15,990	17,398	19,888	16,608	30,502
Sweet potatoes	9,137	17,057	21,917	26,763	30,175
Pumpkins, squash and gourds	16,829	18,981	19,499	24,021	27,453
Peas ²	24,204	27,873	20,493	19,752	24,074
Corn ²	34,988	29,627	30,593	27,377	23,285
Asparagus	6,293	8,115	7,922	8,348	11,973
Aubergines (egg-plants)	5,649	6,216	5,926	6,157	7,527
Spinach ²	10,917	9,238	7,286	7,749	7,107
Celery	4,403	2,514	2,948	4,042	4,842
Brussels sprouts	2,295	1,533	4,794	3,556	4,062
Leeks	2,142	2,208	1,988	1,884	1,914
Garlic	375	483	742	695	525
Other vegetables ^{2,3}	107,294	106,377	116,168	127,230	131,460
Total	1,603,544	1,714,079	1,813,236	1,955,768	2,157,580

Notes:

1. Includes greenhouse vegetables.

2. Includes frozen.

3. Includes provisionally preserved.

Source: Statistics Canada. (CATSNET, June 2020)



3.2.3. Canada's fresh vegetable exports by commodity (metric tonnes)

	2015	2016	2017	2018	2019
Cucumbers and gherkins ¹	119,622	137,951	141,252	145,093	157,358
Tomatoes ¹	135,553	155,637	167,213	151,872	151,920
Peppers ¹	113,063	133,265	124,830	123,036	134,762
Carrots and turnips	89,771	80,190	98,396	94,596	101,397
Cabbages, kohlrabi ad kale	63,074	68,624	64,622	83,768	71,609
Onions and shallots	81,618	62,220	65,029	66,872	61,490
Mushrooms	32,502	37,559	38,172	46,012	52,193
Sweet potatoes	11,664	22,860	30,286	36,870	42,236
Pumpkins, squash and gourds	21,606	27,188	26,706	32,618	36,838
Beans ²	36,468	34,281	39,672	35,200	34,264
Cauliflowers and headed broccoli	14,070	16,200	19,786	14,625	23,771
Cabbage lettuce (head lettuce)	23,048	21,497	20,812	21,721	23,658
Corn ²	26,949	19,770	21,476	19,517	17,297
Lettuce	19,166	18,173	18,038	16,033	16,657
Peas ²	17,244	19,483	12,274	11,550	13,645
Celery	5,155	4,126	4,571	5,506	7,910
Aubergines (egg-plants)	1,582	1,874	1,675	2,028	2,399
Asparagus	1,329	1,495	1,421	1,648	2,087
Spinach ²	3,412	2,546	1,768	1,887	1,442
Brussels sprouts	857	663	1,850	1,315	1,349
Leeks	635	738	706	671	701
Garlic	69	169	226	189	107
Other vegetables ^{2,3}	88,291	82,810	87,655	93,162	91,851
Total	906,748	949,318	988,434	1,005,788	1,046,939

Notes:

1. Includes greenhouse vegetables.

2. Includes frozen.

3. Includes provisionally preserved.

Source: Statistics Canada. (CATSNET, June 2020)



3.2.4. Top 5 vegetable¹ export destinations by commodity (CAN\$ '000)

		2015	2016	2017	2018	2019
United States	Peppers	361,415	359,674	364,667	390,344	458,415
	Tomatoes	324,282	368,278	410,927	385,912	408,916
	Cucumbers and gherkins	204,342	239,405	268,722	305,795	334,097
	Mushrooms	162,191	194,274	202,175	255,800	304,250
	Carrots and turnips	61,919	53,629	66,040	72,592	72,175
	Others	455,616	450,882	461,705	502,745	521,133
	Total	1,569,764	1,666,141	1,774,235	1,913,188	2,098,986
Netherlands	Sweet potatoes	5,561	12,702	17,486	20,818	23,765
	Mushrooms	1,097	1,286	1,390	442	816
	Onions and shallots	34	0	0	0	0
	Carrots and turnips	0	0	0	44	0
	Total	6,692	13,988	18,876	21,305	24,581
Japan	Mushrooms	14,082	16,380	3,379	4,106	11,958
	Tomatoes	1,539	3,478	4,625	5,308	4,731
	Beans	0	0	105	0	2,575
	Peppers	0	15	532	719	722
	Asparagus	0	0	0	0	59
	Others	0	1	0	0	0
	Total	15,891	20,395	9,002	10,608	20,148
Israel	Sweet potatoes	351	717	1,307	2,159	2,678
	Peas	0	0	0	0	18
	Total	351	717	1,307	2,159	2,696
France	Mushrooms	1,564	915	1,316	1,218	1,667
	Beans	72	249	73	165	54
	Tomatoes	1	7	22	27	26
	Peppers	20	22	18	25	24
	Leeks	8	8	9	9	10
	Others	348	432	539	46	36
	Total	2,013	1,633	1,978	1,490	1,816

Note:

1. Includes frozen.

Source: Statistics Canada. (CATSNET, June 2020)



3.2.5. Top 10 vegetable¹ export destinations (CAN\$ '000)

	2015	2016	2017	2018	2019
United States	1,569,764	1,666,141	1,774,235	1,913,188	2,098,986
Netherlands	6,692	13,988	18,876	21,305	24,581
Japan	15,891	20,395	9,002	10,608	20,148
Israel	351	717	1,307	2,159	2,696
France	2,013	1,633	1,978	1,490	1,816
China	1,830	3,890	1,129	178	1,748
Norway	-	-	166	1,633	1,735
Taiwan	428	796	1,207	804	943
Hong Kong	1,096	792	941	1,292	934
India	567	290	182	-	647
Others	4,913	5,437	4,213	3,111	3,347
Total	1,603,544	1,714,079	1,813,236	1,955,768	2,157,580

Note:

1. Includes frozen.

Source: Statistics Canada. (CATSNET, June 2020)



3.2.6. Top vegetable export destinations by province (CAN\$)

		2015	2019
Newfoundland and Labrador	United States	26,724	9,179
	France	908	1,603
	Saint Pierre and Miquelon	1,533	0
	Total	29,165	10,782
Prince Edward Island	United States	2,131,892	1,402,119
	Germany	0	24,535
	Guyana	0	16,268
	Jamaica	23,249	8,167
	Others	163,431	0
	Total	2,318,572	1,451,089
Nova Scotia	United States	19,037,440	15,622,013
	Trinidad and Tobago	0	80,417
	France	25,623	38,473
	Saint Pierre and Miquelon	4,940	4,559
	Japan	0	3,972
	Others	20,350	0
	Total	19,088,353	15,749,434
New Brunswick	United States	1,371,391	849,861
	Saint Pierre and Miquelon	29,883	27,946
	France	653	1,701
	Taiwan	0	100
	Trinidad and Tobago	37,349	0
	Total	1,439,276	879,608
Quebec	United States	258,030,285	312,755,286
	Netherlands	5,561,069	23,765,267
	Israel	350,544	2,677,868
	Norway	0	1,734,703
	Saint Pierre and Miquelon	574,988	534,730
	Others	1,190,547	517,741
	Total	265,707,433	341,985,595

Source: Statistics Canada. (CATSNET, June 2020)

...cont'd



3.2.6. Top vegetable export destinations by province (CAN\$) – cont'd

		2015	2019
Ontario	United States	997,351,389	1,382,912,426
	Japan	846,818	5,496,127
	Taiwan	0	763,101
	Bermuda	194,583	247,925
	Australia	0	163,030
	Others	945,337	636,839
	Total	999,338,127	1,390,219,448
Manitoba	United States	2,169,102	841,594
	Venezuela	0	19,358
	Hong Kong	0	8,000
	Barbados	0	4,869
	Total	2,169,102	873,821
Saskatchewan	India	270,251	209,325
	Thailand	748,821	202,830
	Malaysia	157,142	173,414
	United States	463,890	121,061
	China	285,848	89,005
	Others	753,606	286,179
	Total	2,679,558	1,081,814
Alberta	United States	6,040,562	6,507,499
	Suriname	0	19,809
	Mauritius	0	2,489
	Others	42,599	0
	Total	6,083,161	6,529,797
British Columbia	United States	283,141,639	377,965,011
	Japan	15,011,748	14,618,720
	France	1,545,693	1,647,200
	China	1,517,179	1,631,573
	Netherlands	1,097,071	815,502
	Others	2,378,222	2,121,071
	Total	304,691,552	398,799,077

Source: Statistics Canada. (CATSNET, June 2020)



3.3 Imports

3.3.13. Canada's fresh vegetable imports by sub-sector (CAN\$ '000)

	2015	2016	2017	2018	2019
Greenhouse vegetables	369,810	460,392	383,735	332,631	331,052
Field vegetables ^{1, 2}	2,911,437	3,050,730	3,124,625	3,219,510	3,536,541
Mushrooms	41,520	39,649	43,694	59,342	59,566
Total	3,322,767	3,550,772	3,552,054	3,611,483	3,927,159

Notes:

1. Includes frozen.

2. Includes provisionally preserved.

Source: Statistics Canada. (CATSNET, June 2020)



3.3.2. Canada's fresh vegetable¹ imports by commodity (CAN\$ '000)

	2015	2016	2017	2018	2019
Lettuce ¹	457,880	419,745	447,931	442,602	474,795
Cabbages, kohlrabi and kale	373,824	384,075	374,847	380,288	416,936
Tomatoes ¹	399,311	463,969	431,632	415,925	405,449
Peppers ¹	300,601	374,098	323,100	345,091	380,170
Onions and shallots	171,702	202,016	178,611	193,407	237,064
Cauliflowers and headed broccoli	137,133	149,790	189,110	188,497	200,744
Spinach ²	156,597	157,799	161,440	161,818	159,593
Carrots and turnips	144,920	154,466	141,627	153,365	151,637
Celery	88,799	89,861	91,787	85,828	145,098
Asparagus	99,817	104,213	111,090	110,172	110,142
Beans ²	92,467	94,222	94,277	101,283	107,992
Cabbage lettuce (head lettuce)	105,304	91,169	103,974	97,213	106,918
Cucumbers and gherkins ¹	76,552	84,373	88,245	88,327	90,338
Peas ²	76,749	83,113	85,693	90,375	89,332
Sweet potatoes	59,170	62,736	60,359	66,582	75,094
Pumpkins, squash and gourds	67,030	67,686	74,870	74,234	74,548
Sweet corn ²	56,644	66,406	75,121	68,333	70,559
Garlic	48,659	68,727	62,931	48,607	60,493
Mushrooms	35,416	33,744	37,738	52,357	53,441
Aubergines	32,669	36,757	37,362	35,362	41,269
Yams	31,956	34,714	35,413	31,054	39,856
Brussels sprouts	21,798	24,191	28,067	27,330	33,677
Leeks	12,976	13,940	11,717	11,510	13,963
Other vegetables ^{2,3}	274,793	288,962	305,113	341,923	388,051
Total	3,322,767	3,550,772	3,552,054	3,611,483	3,927,159

Notes:

1. Includes greenhouse vegetables.

2. Includes Frozen

3. Includes provisionally preserved.

Source: Statistics Canada. (CATSNET, June 2020)



3.3.3. Canada's fresh vegetable¹ imports by commodity (metric tonnes)

	2015	2016	2017	2018	2019
Tomatoes ¹	201,511	217,651	212,523	227,536	211,739
Onions and shallots	171,624	196,947	179,212	187,087	206,695
Lettuce ¹	192,614	191,181	191,899	185,022	188,513
Cabbages, kohlrabi and kale	176,936	182,595	169,557	176,504	188,449
Peppers ¹	122,807	134,036	133,457	141,148	145,948
Carrots and turnips	111,916	121,210	114,980	117,158	113,064
Cauliflowers and headed broccoli	75,206	98,517	105,024	110,086	110,575
Cabbage lettuce (head lettuce)	89,538	88,192	87,465	86,991	90,017
Celery	89,506	87,975	86,871	88,271	81,669
Sweet potatoes	55,628	62,734	66,242	72,402	68,564
Sweet corn ²	55,520	56,407	64,505	58,542	60,005
Pumpkins, squash and gourds	49,683	54,723	56,589	55,579	57,660
Cucumbers and gherkins ¹	50,609	54,653	54,407	54,341	52,879
Spinach ²	43,680	44,193	46,588	46,620	45,934
Beans ²	41,468	36,270	38,450	40,529	42,530
Aubergines	24,147	24,950	25,095	25,253	26,212
Asparagus	18,183	19,224	20,118	24,015	23,424
Peas ²	18,515	19,122	19,414	21,643	21,312
Garlic	18,428	18,352	18,648	21,391	20,683
Yams	18,744	19,986	20,296	17,128	19,443
Mushrooms	8,228	7,347	8,805	11,450	11,296
Brussels sprouts	7,707	7,617	9,318	10,466	10,470
Leeks	6,077	6,244	5,623	5,348	6,397
Other vegetables ^{2,3}	154,870	163,636	172,820	189,898	215,807
Total	1,803,146	1,913,762	1,907,904	1,974,410	2,019,285

Notes:

1. Includes greenhouse vegetables.

2. Includes Frozen

3. Includes provisionally preserved.

Source: Statistics Canada. (CATSNET, June 2020)



3.3.4. Top 5 import vegetable import sources by commodity (CAN\$ '000)

		2015	2016	2017	2018	2019
United States	Lettuce	448,998	414,448	441,115	431,675	457,969
	Cabbages, kohlrabi and kale	320,469	323,162	314,193	314,623	329,342
	Cauliflowers and headed broccoli	128,385	139,212	162,324	166,004	167,123
	Onions and shallots	109,857	137,552	117,023	122,495	157,955
	Spinach	143,459	143,988	144,800	145,310	141,973
	Others	979,631	976,262	984,464	992,267	1,079,015
	Total	2,130,798	2,134,625	2,163,919	2,172,374	2,333,377
Mexico	Tomatoes	274,367	337,534	308,154	297,761	281,735
	Peppers	169,376	237,016	209,891	226,371	242,247
	Cabbages, kohlrabi and kale	49,103	55,024	55,540	58,571	76,435
	Asparagus	47,444	56,766	65,946	70,559	74,121
	Cucumbers and gherkins	56,499	62,518	70,392	72,669	68,943
	Others	253,721	276,763	304,911	317,297	364,754
	Total	850,510	1,025,621	1,014,834	1,043,227	1,108,235
China	Garlic	28,758	44,093	40,436	29,472	39,130
	Peas	9,864	9,590	11,029	9,049	11,378
	Arrowroot and salep	5,827	6,579	6,338	6,381	6,537
	Carrots and turnips	3,825	4,579	4,362	6,184	6,246
	Spinach	3,418	3,731	4,260	4,290	4,786
	Others	34,291	39,358	42,072	44,747	53,349
	Total	85,984	107,929	108,497	100,124	121,426
Italy	Mushrooms	592	580	776	1,160	1,295
	Chicory	24	127	208	203	245
	Olives	53	22	29	29	84
	Witloof chicory	6	36	36	31	28
	Globe artichokes	0	8	54	39	25
	Others	643	826	787	590	422
	Total	1,318	1,599	1,890	2,051	2,099
France	Leeks	1,822	2,180	1,537	2,145	2,403
	Spinach	1,280	2,017	1,936	1,990	1,617
	Onions and shallots	389	1,031	937	558	661
	Garlic	22	23	99	209	295
	Mushrooms	225	202	327	219	175
	Others	3,628	2,731	2,177	2,078	2,279
	Total	7,366	8,184	7,013	7,200	7,430

Source: Statistics Canada. (CATSNET, June 2020)



3.3.5. Top 10 vegetable import sources (CAN\$ '000)

	2015	2016	2017	2018	2019
United States	2,130,798	2,134,625	2,163,919	2,172,374	2,333,377
Mexico	850,510	1,025,621	1,014,834	1,043,227	1,108,235
China	85,984	107,929	108,497	100,124	121,426
Spain	43,726	51,107	32,992	40,347	60,033
Guatemala	25,465	23,566	30,798	39,452	48,859
Peru	51,184	48,336	46,502	42,016	41,235
Honduras	16,463	19,295	19,953	21,072	27,707
Belgium	11,089	7,777	7,162	11,369	18,841
Ecuador	3,044	4,166	5,581	7,731	15,545
India	6,175	8,176	9,739	11,468	15,467
Others	98,329	120,174	112,076	122,303	136,434
Total	3,322,767	3,550,772	3,552,054	3,611,483	3,927,159

Source: Statistics Canada. (CATSNET, June 2020)



3.3.6. Top vegetable import sources by province (CAN\$ '000)

		2015	2019
Newfoundland and Labrador	Mexico	0	0
	Total	0	0
Prince Edward Island	Total	0	0
Nova Scotia	Spain	0	984
	Poland	420	420
	India	0	211
	Israel	0	122
	China	0	93
	Others	1,041	77
	Total	1,462	1,907
New Brunswick	United States	24,851	11,912
	Mexico	587	346
	Peru	1,104	59
	Spain	1	43
	Honduras	105	28
	Others	308	132
	Total	26,956	12,521
Quebec	United States	88,833	95,366
	Spain	15,484	27,061
	China	15,556	19,938
	Peru	7,215	9,568
	Belgium	8,963	7,837
	Others	34,560	56,473
	Total	170,611	216,243
Ontario	United States	1,113,326	1,279,614
	Mexico	578,052	739,393
	Guatemala	20,441	38,587
	China	24,571	32,704
	Peru	29,784	28,242
	Others	94,104	145,169
	Total	1,860,279	2,263,708

Source: Statistics Canada. (CATSNET, June 2020)

...cont'd



3.3.6. Top vegetable import sources by province (CAN\$ '000) – cont'd

		2015	2019
Manitoba	United States	50,285	47,806
	Mexico	13,715	23,093
	Peru	812	162
	Honduras	119	146
	China	42	122
	Others	320	735
	Total	65,293	72,064
Saskatchewan	United States	23,702	16,736
	Mexico	8,875	10,717
	Canada	98	89
	Nicaragua	69	43
	China	0	41
	Others	4,958	107
	Total	37,702	27,734
Alberta	United States	306,145	345,513
	Mexico	98,277	146,535
	Spain	4,354	5,133
	Guatemala	1,478	3,577
	India	928	1,507
	Others	6,082	6,157
	Total	417,263	508,422
British Columbia	United States	523,656	536,430
	Mexico	148,821	185,605
	China	45,696	68,202
	Korea, South	3,858	6,563
	Spain	4,049	2,887
	Others	17,121	24,872
	Total	743,201	824,560
Source: Statistics Canada. (CATSNET, June 2020)			



4. Availability for consumption

4.1. Fresh vegetable available¹ for consumption² in Canada (kilograms per person)

	2015	2016	2017	2018	2019
Onions and shallots, fresh	9.43	8.77	8.68	8.45	9.30
Lettuce, fresh	8.59	8.65	8.48	8.20	8.20
Tomatoes, fresh	8.13	8.15	7.88	8.39	7.98
Carrots, fresh,	8.72	7.75	7.20	7.27	6.43
Cabbage, fresh	4.36	4.31	4.00	4.27	4.50
Peppers, fresh	4.51	4.09	4.36	4.33	4.18
Cucumbers, fresh	3.37	3.00	3.18	3.56	3.46
Pumpkins and squash, fresh	3.33	3.35	3.44	3.20	3.17
Cauliflower, fresh	2.29	2.87	2.88	3.01	2.80
Corn, fresh	3.32	3.12	3.01	2.84	2.78
Celery, fresh	3.07	3.07	2.80	2.69	2.43
Broccoli, fresh	2.70	2.70	2.31	2.45	2.38
Mushrooms, fresh	2.32	2.15	2.16	2.13	1.84
Chinese cabbage ³ , fresh	1.01	0.96	0.94	1.62	1.69
Rutabagas and turnips, fresh	1.33	1.08	0.98	1.17	0.98
Beets, fresh	1.05	0.91	0.98	0.97	0.97
Beans green and wax, fresh	0.90	0.91	0.86	0.89	0.92
Spinach, fresh	0.95	0.93	0.97	0.94	0.92
Potatoes sweet, fresh	1.40	1.25	1.13	1.11	0.89
Kale, fresh	..	..	..	0.86	0.84

Notes:

1. Food available per person is calculated by dividing the domestic disappearance by the Canadian population as of July 1st of the reference year, at the retail level.

Domestic disappearance represents the total food available for human consumption from the Canadian food supply chain.

Total Supply = Beginning stocks + Production + Imports

Domestic Disappearance = Total supply – Exports – Manufacturing - Waste - Ending stocks

2. Does not adjust for losses (such as waste and/or spoilage in stores, households, private institutions, restaurants) or

3. "Chinese cabbage fresh" is included in cabbage.

.. Data not available for a specific period.

Source: Statistics Canada. Table 32-10-0054-01 Food available in Canada

...cont'd



4.1. Fresh vegetable available¹ for consumption² in Canada (kilograms per person) – cont'd

	2015	2016	2017	2018	2019
Asparagus, fresh	0.65	0.68	0.68	0.75	0.75
Eggplants, fresh	0.57	0.57	0.58	0.62	0.65
Garlic, fresh	0.52	0.51	0.51	0.57	0.54
Radishes, fresh	0.44	0.43	0.44	0.35	0.36
Brussels sprouts, fresh	0.24	0.29	0.29	0.34	0.34
Leeks, fresh	0.27	0.28	0.27	0.27	0.30
Parsley, fresh	0.31	0.29	0.32	0.30	0.30
Peas, fresh	0.22	0.19	0.31	0.32	0.27
Okra, fresh	0.15	0.16	0.16	0.17	0.18
Rapini, fresh	0.18	0.18	0.21	0.18	0.18
Parsnips, fresh	0.22	0.20	0.23	0.19	0.16
Manioc, fresh	0.10	0.10	0.11	0.12	0.13
Artichokes, fresh	0.03	0.03	0.03	0.04	0.03
Olives, fresh	0.01	0.00	0.01	0.00	0.01

Notes:

1. Food available per person is calculated by dividing the domestic disappearance by the Canadian population as of July 1st of the reference year, at the retail level.

Domestic disappearance represents the total food available for human consumption from the Canadian food supply chain.

Total Supply = Beginning stocks + Production + Imports

Domestic Disappearance = Total supply – Exports – Manufacturing - Waste - Ending stocks

2. Does not adjust for losses (such as waste and/or spoilage in stores, households, private institutions, restaurants) or losses during preparation.

Source: Statistics Canada. Table 32-10-0054-01 Food available in Canada



4.2. Fresh vegetable available¹ for consumption adjusted for losses² in Canada (kilograms per person)

	2015	2016	2017	2018	2019
Tomatoes, fresh	5.98	5.98	5.79	6.17	5.86
Lettuce, fresh	4.75	4.78	4.69	4.54	4.53
Onions and shallots, fresh	4.37	4.06	4.02	3.91	4.30
Carrots, fresh,	4.86	4.32	4.01	4.06	3.59
Cabbage, fresh	2.28	2.25	2.09	2.23	2.35
Peppers, fresh	2.08	1.88	2.01	2.00	1.93
Cucumbers, fresh	1.57	1.40	1.48	1.66	1.61
Celery, fresh	1.58	1.58	1.44	1.39	1.25
Mushrooms, fresh	1.55	1.44	1.44	1.43	1.23
Pumpkins and squash, fresh	1.19	1.20	1.23	1.14	1.13
Broccoli, fresh	1.27	1.28	1.09	1.16	1.12
Chinese cabbage ³ , fresh	0.53	0.50	0.49	0.85	0.88
Cauliflower, fresh	0.70	0.88	0.88	0.92	0.85
Corn, fresh	0.81	0.76	0.73	0.69	0.68
Kale, fresh	..	..	..	0.61	0.59
Beets, fresh	0.58	0.51	0.55	0.54	0.54
Spinach, fresh	0.54	0.52	0.55	0.53	0.51
Beans green and wax, fresh	0.49	0.50	0.47	0.49	0.50
Eggplants, fresh	0.27	0.27	0.27	0.29	0.31
Potatoes sweet, fresh	0.48	0.43	0.39	0.38	0.31
Asparagus, fresh	0.26	0.27	0.27	0.30	0.29
Garlic, fresh	0.24	0.23	0.23	0.26	0.25
Rutabagas and turnips, fresh	0.34	0.28	0.25	0.30	0.25

Notes:

1. Food available per person is calculated by dividing the domestic disappearance by the Canadian population as of July 1st of the reference year, at the retail level.

Domestic disappearance represents the total food available for human consumption from the Canadian food supply chain.

Total Supply = Beginning stocks + Production + Imports

Domestic Disappearance = Total supply – Exports – Manufacturing - Waste - Ending stocks

2. Experimental, use with caution. The data have been adjusted for retail, household, cooking and plate loss.

3. "Chinese cabbage fresh" is included in cabbage.

.. Data not available a specific reference period.

Source: Statistics Canada. Table 32-10-0054-01 Food available in Canada

...cont'd



4.2. Fresh vegetable available¹ for consumption adjusted for losses² in Canada (kilograms per person) - cont'd

	2015	2016	2017	2018	2019
Brussels sprouts, fresh	0.16	0.19	0.19	0.22	0.22
Parsley, fresh	0.16	0.15	0.16	0.15	0.15
Peas, fresh	0.12	0.10	0.17	0.17	0.15
Leeks, fresh	0.13	0.13	0.12	0.13	0.14
Radishes, fresh	0.17	0.16	0.17	0.13	0.14
Rapini, fresh	0.10	0.10	0.12	0.10	0.10
Manioc, fresh	0.07	0.07	0.07	0.08	0.09
Okra, fresh	0.08	0.08	0.08	0.09	0.09
Parsnips, fresh	0.13	0.11	0.13	0.11	0.09
Artichokes, fresh	0.01	0.01	0.01	0.01	0.01
Olives, fresh	0.00	0.00	0.00	0.00	0.00

Notes:

1. Food available per person is calculated by dividing the domestic disappearance by the Canadian population as of July 1st of the reference year, at the retail level.

Domestic disappearance represents the total food available for human consumption from the Canadian food supply chain.

Total Supply = Beginning stocks + Production + Imports

Domestic Disappearance = Total supply – Exports – Manufacturing - Waste - Ending stocks

2. Experimental, use with caution. The data have been adjusted for retail, household, cooking and plate loss.

Source: Statistics Canada. Table 32-10-0054-01 Food available in Canada



5. World production

5.1. World fresh vegetable production by commodity (metric tonnes)

	2014	2015	2016	2017	2018
Tomatoes	174,787,530	176,823,434	178,158,747	180,945,772	182,256,458
Onions, dry	89,157,147	91,457,876	94,838,690	97,484,228	96,773,819
Cucumbers and gherkins	76,111,305	78,037,657	79,844,838	77,896,545	75,219,440
Cabbages and other brassicas	70,690,783	70,190,424	69,790,058	70,452,635	69,381,555
Eggplants (aubergines)	49,977,219	50,560,709	51,302,856	52,489,150	54,077,210
Carrots and turnips	38,699,228	41,283,861	42,576,346	40,316,041	39,996,287
Chillies and peppers, green	32,150,707	33,189,148	34,567,250	35,988,989	36,771,482
Garlic	25,006,820	26,692,650	26,821,718	27,648,023	28,494,130
Pumpkins, squash and gourds	25,739,353	26,116,050	26,665,074	27,107,482	27,643,932
Lettuce and chicory	24,983,011	26,151,231	27,440,987	27,726,623	27,256,487
Cauliflowers and broccoli	24,350,419	24,415,217	25,162,663	26,077,313	26,504,006
Spinach	24,289,573	25,777,068	26,763,044	25,754,263	26,255,931
Beans, green	21,705,172	23,183,217	23,595,644	24,214,148	24,752,675
Peas, green	17,450,024	19,411,817	19,854,943	20,764,578	21,225,579
Maize, green	10,876,779	11,592,141	11,441,295	11,357,174	11,516,818
Okra	9,822,005	9,266,990	9,355,676	9,579,021	9,872,826
Asparagus	7,877,021	8,572,960	8,754,094	8,951,427	9,108,203
Mushrooms and truffles	8,705,275	9,020,998	9,033,676	8,904,203	8,993,280
Onions, shallots, green	5,042,321	4,992,578	5,171,870	5,140,015	5,468,439
Cassava leaves	2,266,269	2,189,084	2,502,132	2,406,439	2,370,894
Leeks, other alliaceous vegetables	2,215,295	2,123,308	2,132,008	2,186,379	2,179,050
String beans	1,861,702	1,856,761	1,920,042	1,960,401	1,873,676
Artichokes	1,575,163	1,454,847	1,418,886	1,670,861	1,678,872
Vegetables, leguminous nes ¹	1,566,857	1,481,714	1,455,600	1,508,375	1,571,704
Vegetables, fresh nes ¹	285,693,443	288,931,169	292,920,885	294,934,038	297,596,674
Note:					
1. Nes: Not elsewhere specified.					
Source: FAOSTAT (July 2020)					



6. World trade

6.1. Top 10 importers of fresh vegetables¹ worldwide (CAN\$ '000)

	2015	2016	2017	2018	2019
United States	9,215,099	10,847,154	10,507,922	11,073,962	12,157,291
Germany	5,916,699	6,323,700	6,644,541	6,891,988	6,873,608
United Kingdom	4,073,820	4,183,710	4,030,214	4,286,384	4,320,282
Canada	3,075,877	3,279,970	3,278,247	3,310,121	3,567,454
France	2,857,337	3,147,188	3,226,330	3,215,355	3,264,411
Netherlands	1,700,753	2,270,485	2,436,070	2,426,831	2,554,462
Russia	1,884,441	1,528,619	1,846,241	1,858,720	1,998,078
Belgium	1,181,372	1,345,654	1,324,609	1,225,779	1,251,043
Italy	965,139	921,491	1,040,880	1,045,036	1,192,134
Poland	699,593	770,854	892,603	972,364	1,129,090
Japan	1,025,732	1,211,572	1,089,244	1,181,194	1,053,748
Total	46,387,831	51,052,663	51,543,551	52,282,476	54,754,169

Note:

1. Does not include potatoes.

Source: Global Trade Tracker. (July 2020)

6.2. Top 10 exporters of fresh vegetables¹ worldwide (CAN\$ '000)

	2015	2016	2017	2018	2019
Mexico	6,364,022	8,017,016	7,744,417	8,308,149	9,341,973
Netherlands	6,484,540	7,657,782	7,855,803	8,344,392	8,642,479
Spain	6,694,953	7,472,356	7,519,188	7,923,744	8,346,923
China	5,215,745	6,630,770	6,268,402	5,421,175	6,590,802
United States	3,499,498	3,693,469	3,639,422	3,717,426	3,918,295
Canada	1,563,885	1,754,322	1,837,273	2,033,187	2,193,158
Italy	1,681,666	1,880,405	1,888,416	2,031,750	1,953,734
France	1,469,508	1,585,353	1,605,197	1,520,100	1,591,181
Morocco	863,583	1,103,398	1,397,424	1,368,536	1,521,436
Belgium	1,143,212	1,211,271	1,225,982	1,100,666	1,181,909
Poland	852,004	917,706	938,275	1,062,663	1,111,135
Total	46,025,994	52,240,809	52,446,338	53,604,621	57,556,657

Note:

1. Does not include potatoes.

Source: Global Trade Tracker. (July 2020)



6.3. Top 10 selected vegetable¹ imports worldwide (CAN\$ '000)

	2015	2016	2017	2018	2019
Tomatoes	10,405,376	11,225,530	11,504,516	11,681,600	11,587,178
Peppers	6,001,998	6,954,248	6,825,263	7,088,248	7,459,749
Onions and shallots	3,615,089	3,666,719	3,517,598	3,598,217	4,391,517
Cucumbers and gherkins	2,929,875	3,236,276	3,275,052	3,586,608	3,558,692
Garlic	2,439,122	3,632,720	3,361,439	2,500,317	2,893,273
Cabbages, kohlrabi and kale ²	2,181,893	2,335,529	2,357,210	2,287,628	2,557,412
Lettuce ³	1,814,365	1,860,589	1,982,971	2,083,349	2,218,870
Asparagus	1,752,957	1,981,354	2,009,268	1,981,163	2,057,824
Pumpkins, squash and gourds	1,613,441	1,700,553	1,792,767	1,787,527	1,852,754
Cauliflowers and headed broccoli	1,234,036	1,345,055	1,465,912	1,531,673	1,659,032

Notes:

1. Only "fresh or chilled" vegetables were considered in calculations for this table.
2. Excludes cauliflowers, headed broccoli and brussels sprouts.
3. Excludes cabbage lettuce.

Source: Global Trade Tracker. (July 2020)

6.4. Top 10 vegetable¹ exports worldwide (CAN\$ '000)

	2015	2016	2017	2018	2019
Tomatoes	10,523,640	11,449,857	11,597,780	11,977,454	11,927,394
Peppers	5,625,426	6,576,777	6,542,358	6,894,623	7,405,561
Onions and shallots	4,142,305	4,385,664	4,099,178	4,480,895	5,331,211
Garlic	3,193,168	4,821,344	4,089,967	2,730,135	3,681,156
Cucumbers and gherkins	2,695,057	3,196,402	3,148,808	3,486,135	3,473,565
Cauliflowers and headed broccoli	1,510,204	1,651,755	1,774,958	1,853,411	2,392,719
Cabbages, kohlrabi and kale ²	1,727,575	1,833,223	1,882,730	2,009,014	2,313,314
Lettuce ³	1,596,337	1,633,727	1,795,349	1,946,359	2,088,055
Carrots and turnips	1,580,436	1,705,749	1,630,224	1,986,828	1,906,807
Asparagus	1,460,275	1,708,411	1,842,801	1,730,873	1,812,137

Notes:

1. Only "fresh or chilled" vegetables were considered in calculations for this table.
2. Excludes cauliflowers, headed broccoli and brussels sprouts.
3. Excludes cabbage lettuce.

Source: Global Trade Tracker. (July 2020)



7. Key resources

FAOSTAT

Global Trade Tracker

Mintel

Statistics Canada. Table 32-10-0403-01 Farms classified by farm type

Statistics Canada. Table 32-10-0019-01 Estimates of specialized greenhouse operations

Statistics Canada. Table 32-10-0365-01 Area, production and farm gate value of vegetables

Statistics Canada. Table 32-10-0456-01 Production and value of greenhouse vegetables

Statistics Canada. Table 32-10-0356-01 Area, production and sales of mushrooms

Statistics Canada. Table 32-10-0054-01 Food available in Canada

Statistics Canada. CATSNET